Title (en)

SLIP DETECTION AND MITIGATION FOR AN ELECTRIC DRIVE POWERTRAIN HAVING A HIGH RATIO TRACTION DRIVE TRANSMISSION

Title (de)

SCHLUPFERKENNUNG UND -MINDERUNG FÜR EINEN ELEKTRISCHEN ANTRIEBSSTRANG MIT EINEM ANTRIEBSGETRIEBE MIT HOHEM ÜBERSETZUNGSVERHÄLTNIS

Title (fr)

DÉTECTION ET ATTÉNUATION DE GLISSEMENT D'UNE TRANSMISSION D'ENTRAÎNEMENT ÉLECTRIQUE AYANT UNE TRANSMISSION À ENTRAÎNEMENT PAR TRACTION À RAPPORT ÉLEVÉ

Publication

EP 3627000 A2 20200325 (EN)

Application

EP 19198778 A 20190920

Priority

US 201862733872 P 20180920

Abstract (en)

A method of controlling a continuously variable electric drivetrain (CVED) including a high ratio traction drive transmission and at least one of a first motor-generator and a second motor-generator is disclosed. The method includes the steps of receiving a an output speed, determining a kinematic output speed, and determining a slip state of the high ratio traction drive transmission based on a comparison of the output speed to the kinematic output speed.

IPC 8 full level

F16H 13/06 (2006.01)

CPC (source: CN EP US)

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Citation (applicant)

- US 8152677 B2 20120410 - KNEPPER RICHARD [US], et al
- US 4709589 A 19871201 - KRAUS CHARLES E [US]
- US 4483216 A 19841120 - TAKAHASHI HISAYOSHI [JP], et al
- US 4846008 A 19890711 - KRAUS CHARLES E [US]
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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

EP 19198778 A 20190920; CN 201910893487 A 20190920; US 201916577305 A 20190920; US 202117233185 A 20210416; US 202217934154 A 20220921